

G. DENNIS COOKE

I. General Background Information

Name: G. Dennis Cooke

Date of Birth: June 29, 1937

II. Educational Background

Kent State University B.S. Biology 1959

University of Iowa M.S. Zoology 1963

University of Iowa Ph.D. Zoology 1965

Post-Doctoral, Institute of Ecology, University of Georgia (E.P. Odum, Sponsor) 1965-1967

Dissertation: Some aspects of the ecology of plankton populations of Miller's Bay, Lake West Okoboji, Iowa, with particular reference to *Daphnia*. Ph.D. Dissertation: University of Iowa, Iowa City, IA.

United States Navy (R): Honorable Discharge

III. Employment

Assistant Professor, Biological Sciences, Kent State University, 1967-1971

Associate Professor, Biological Sciences, Kent State University, 1971-1976

Professor, Biological Sciences, Kent State University, 1976- retirement in 2003

IV. Other Experiences and Employment

Cooperative Graduate Fellow, National Science Foundation, 1963-1965

Instructor, University of Iowa, 1965

Post-doctoral Fellow, Institute of Ecology, University of Georgia, 1965-1967 (Sponsor: Eugene P. Odum). National Institutes of Health and National Aeronautics and Space Administration Post-Doctoral Fellowships

Summer Research Fellowship, Kent State University, 1969

Research Associate, Center for Urban Regionalism and Environmental Systems, Kent State University, 1972-1982

Consultant, Institute of Water Management and Meteorology, Warsaw, Poland, 1977, 1978

Inter-governmental Personnel Assignment, Corvallis Environmental Research Laboratory, USEPA, 1979

Technical Consultant, U.S. Environmental Protection Agency (Clean Lakes Program), 1980-81

President, North American Lake Management Society, 1980-81 (founding President)

North American Representative, United Nations Educational Scientific and Cultural Organization's Meeting on Control of Eutrophication, October, 1981, Vienna, Austria

Associate Editor, Water Resources Bulletin, 1981-1993

Associate Editor, Lake and Reservoir Management. 1985-present

Board of Directors (Region IV Representative), North American Lake Management Society (1986-1989)

President, Ohio Lake Management Society (1996-1997)

V. Scholarly Productivity and Research

Books

Cooke, G. D. (Editor). 1969. The Cuyahoga River Watershed. Institute of Limnology and Department of Biological Sciences. Kent State University. Kent, OH. 44242, 143 pp.

Cooke, G.D., E.B. Welch, S.A. Peterson and P.R. Newroth. 1986. First Edition. Lake and Reservoir Restoration. Butterworths. Boston. 392 pp.

Cooke, G.D. and R.H. Kennedy. 1989. Water Quality Management Techniques for Reservoirs and Tailwaters. Part I. In-Reservoir Water Quality Management Techniques. Tech. Rept. E-89-1. U.S. Army Corps Engineers, Vicksburg, MS. 182 pp.

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Denver, CO. 387 pp.

Cairns, J., G.D. Cooke et al. 1992. Restoration of Aquatic Systems. Science, Technology, and Public Policy. National Academy Press. Washington, D.C. 552 pp.

Cooke, G.D., E.B. Welch, S.A. Peterson, and P.R. Newroth. 1993. Second Edition. Restoration and Management of Lakes and Reservoirs. Lewis Publishers and CRC Press. Boca Raton, FL. 548 pp.

Cooke, G.D. (Compiler). 1998. Customized edition of Life on Earth (Audesirk and Audesirk) and Biology: Life Features (Graham). Simon and Schuster, Needham Heights, MA. 399 pp.

Cooke, G.D., E.B. Welch, S.A. Peterson, and S.A. Nichols. 2005. Third Edition. Restoration and Management of Lakes and Reservoirs. Lewis Publishers and CRC Press, Boca Raton, FL.

Articles (refereed)

Cooke, G.D. 1966. Regulation of population size and annual bloom duration of Daphnia retrocurva. Bull. Ecol. Soc. Amer. 47(4):176-177.

Cooke, G.D. 1966b. Some physico-chemical measurements of Miller's Bay, Lake West Okoboji, Summer, 1964. Proc. Ia. Acad. Sci. 73:375-383.

Cooke, G.D. 1967. The pattern of autotrophic succession in laboratory microcosms. BioScience 17(10):717-721.

Cooke, G.D., R.J. Beyers, and E.P. Odum. 1968. The case for the multispecies ecological system with special reference to succession and stability. IN: Conference on Bioregenerative Systems. American Institute of Biological Sciences and the National Aeronautics and Space Administration. NASA Special Publication 165:129-139.

Cooke, G.D. and R.L. Kennedy. 1970. Eutrophication of Northeastern Ohio Lakes. I. Introduction, morphometry and certain physico-chemical data of Dollar Lake. Ohio J. Sci. 70:150-161.

Cooke, G.D. 1971. Ecology of Space Travel. IN: E.P. Odum, Fundamentals of Ecology. Third Edition. W.B. Saunders, Phila. Chapter 20, p. 498-509

Cooke, G.D. 1971. Aquatic laboratory microecosystems and communities. IN: The Structure and Function of Freshwater Microbial Communities. J. Cairns Jr. (ed.), Res. Mono. 3, VPI and State Univ. 301 pp. P. 47-85.

Long, E.B. and G.D. Cooke. 1971. A quantitative comparison of pigment extraction by

membrane and glass-fiber filters. Limnol. Oceanogr. 16:990-992.

Cooke, G.D., T.N. Bhargava, M.R. McComas, M.C. Wilson, and R.T. Heath. 1973. Some aspects of the phosphorus dynamics of the Twin Lakes Watershed. IN: Modeling and the Eutrophication Process. E.T. Middlebrooks, D.H. Falkenburg, and T.E. Maloney (eds.), Elsevier Press, p. 57-72.

Cooke, G.D. 1973. The Eutrophication Process. Discussion, Ibid. P. 211.

Heath, R.T. and G.D. Cooke. 1974. The significance of alkaline phosphatase in a eutrophic lake. Verh. Internat. Verein. Limnol. 19:959-965.

McComas, M.R., G.D. Cooke, and R.H. Kennedy. 1976. A comparison of phosphorus and water contributions by snowfall and rain in Northeast Ohio. Water Res. Bull. 12:519-527.

Cooke, G.D. 1977. Experimental aquatic laboratory ecosystems and communities. IN: Aquatic Microbial Communities (2nd Edition). Cairns, Jr. (ed.). Garland Publishing, Inc. pp. 59-103.

Cooke, G.D., D.W. Waller, M.R. McComas, and R.T. Heath. 1977. Limnological and geochemical characteristics of the Twin Lakes Watershed, Ohio, U.S.A., 1972-1974. IN: North American Project. A Study of U.S. Water Bodies. Ecological Research Series, U.S. Environmental Protection Agency. EPA-600/3-77

Waller, D.W., G.D. Cooke, M.R. McComas, and R.T. Heath. 1977. Limnological and geochemical characteristics of the Twin Lakes Watershed, Ohio, U.S.A., 1972-1976. Ecological Research Series, U.S. Environmental Protection Agency. T.A. Maloney (ed.).

Long, E.T. and G.D. Cooke. 1977. Phosphorus variability in three streams during storm events: Chemical analysis vs. algal assay. Mitt. Internat. Ver. Limnol. 21:441-452.

Cooke, G.D., M.R. McComas, D.W. Waller, and R.H. Kennedy. 1977. The occurrence of internal phosphorus loading in two small, eutrophic, glacial lakes in Northeastern Ohio. Hydrobiologia 56:129-135.

Cooke, G.D., R.T. Heath, R.H. Kennedy, and M.R. McComas. 1978. Effects of diversion and alum application on two eutrophic lakes. USEPA Ecol. Res. Ser. EPA-600/3-78-033.

Cooke, G.D. and R.H. Kennedy. 1979. The effects of a hypolimnetic application of aluminum sulfate to a eutrophic lake. Verh. Internat. Verein. Limnol. 20:480-489.

Cooke, G.D. and M.E. Gorman. 1980. Effectiveness of DuPont Tytar sheeting in

controlling macrophyte regrowth after overwinter drawdown. Water Res. Bull. 16:353-355.

Cooke, G.D. 1980. Lake level drawdown as a macrophyte control technique. Water Res. Bull. 16:317-322.

Cooke, G.D. 1980. Covering bottom sediments as a lake restoration technique. Water Res. Bull. 16:921-926.

Cooke, G.D. 1980. In-lake restoration techniques. IN: Clean Lakes Program Guidance Manual. Chap. 5. pp. 34-46. EPA-440/5-81-003.

Cooke, G.D. and R.H. Kennedy. 1980. Phosphorus inactivation: A summary of knowledge and research needs. U.S.E.P.A. and O.E.C.D. Int. Symp. Inland Waters and Lake Restoration. USEPA 440/5-81-010. p 395-399.

Kennedy, R.H. and G.D. Cooke. 1980. Aluminum sulfate dose determination and application techniques. U.S.E.P.A. and O.E.C.D. Int. Symp. Inland Waters and Lake Restoration. USEPA 440/5-81-010. p 405-411.

Cooke, G.D. 1981. In-lake control of nuisance vegetation: A review of eight procedures. IN: Proceedings of a Round Table on Reclaiming and Managing Lakes in Illinois. Special Report No. 12, Illinois Water Resources Center. p.43-55.

Cooke, G.D. and R.H. Kennedy. 1981. State of the Art Summary of Phosphorus Inactivation as a Lake Restoration Technique. Proceedings of the Algae Management and Control Workshop. U.S. Army Corps of engineers and U.S. Environmental Protection Agency, Las Vegas, Nev. Environmental and Water Quality Studies Technical Report E-81-7. p. 32-56.

Cooke, G.D. and R.H. Kennedy. 1981. Precipitation and Inactivation of Phosphorus as a Lake Restoration Technique. Ecological Research series, U.S.E.P.A. EPA-600/3-81-012.

Cooke, G.D., R.T. Heath, R.H. Kennedy and M.R. McComas. 1982. Change in trophic state and internal phosphorus release after aluminum sulfate application. Water Res. Bull. 18:699-705.

Kennedy, R.H. and G.D. Cooke. 1982. Control of lake phosphorus with aluminum sulfate. Dose determination and application techniques. Water Res. Bull. 18:389-395.

Conyers, D.L. and G.D. Cooke. 1982. Macrophyte control: Chemical or mechanical? Lake Line. 2:8-11.

Conyers, D.L. and G.D. Cooke. 1983. A comparison of the costs of harvesting and

herbicides and their effectiveness in nutrient removal and control of macrophyte biomass. IN: Proc., Symposium on Lake Management, Protection, and Restoration. USEPA, Wash., D.C.

Cooke, G.D. 1983. Review of lake restoration techniques and an evaluation of harvesting and herbicides. IBID.

Jones, G.R., G.D. Cooke, and R.E. Carlson. 1984. Reservoir management for improved potable water quality. IN: Water For Resource Development. Proceedings of a Conference. American Society Civil Engineers. D.L. Schreiber (ed.) p. 1-5.

Jones, G.R. and G.D. Cooke. 1984. Control of nuisance aquatic plants with burlap screen. Ohio J. Sci. 84:248-251.

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Cooke, G.D. and R.E. Carlson. 1986. Water quality management in a drinking water reservoir. Lake and Reservoir Management 2:363-371.

Welch, E.B. and G.D. Cooke. 1987. Lake Restoration. IN: Restoration Ecology (W. Jordan, III, Ed.). Cambridge Univ. Press, New York.

Brosnan, T. and G.D. Cooke. 1987. Response of Silver Lake trophic state to artificial circulation. Lake and Reservoir Management 3:66-75.

Cooke, G.D. 1988. Chapter 6. Lake and reservoir management techniques. Lake and Reservoir Restoration Guidance Manual. K.W. Thornton (ed.). U.S. Environmental Protection Agency. NOTE: This manual, which is a report to Congress mandated by the 1987 Clean Water Act, replaces the 1980 Clean Lakes Program Guidance Manual.

Palmstrom, N.S., R.E. Carlson, and G.D. Cooke. 1988. Potential links between eutrophication and the formation of carcinogens in drinking water. Lake and Reservoir Manage. 4:(2):1-15.

Barbiero, R., R.E. Carlson, and G.D. Cooke. 1988. The effects of a continuous application of aluminum sulfate on lotic benthic invertebrates. Lake and Reservoir Manage. 4:(2):63-72.

Cooke, G.D., N. Palmstrom, A. Martin, M. Watkins, and A. Beals. 1988. Reservoir management for THM precursor control. Proceedings, 1988 AWWA. Seminar on Water Quality Management in Reservoirs. p. 21-51.

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Reservoir Restoration Guidance Manual. 2nd edition. H. Olem, Ed.). U.S. Environmental Protection Agency.

Cooke, G.D., A.B. Martin, and R.E. Carlson. 1990. The effect of harvesting on macrophyte regrowth and water quality in La Due Reservoir, Ohio. Jour. Iowa Acad. Sci. 97 (Bovbjerg festschrift):127-132.

Fulmer, D.G. and G.D. Cooke. 1990. Evaluation of the restoration potential of 19 Ohio reservoirs. Lake and Reservoir Manage. 6:197-206.

Palmstrom, N., R. Carlson and G.D. Cooke. 1992. Potential links between the eutrophication of water supplies and the formation of carcinogens in drinking water. In: C.E. Tilbert and E.J. Calabrese (eds.) Regulating Drinking Water Quality. Lewis Publishers. Ann Arbor, MI. pp 175-190.

Martin, A.B., G.D. Cooke, and R.E. Carlson. 1993. Lake sediments as potential sources of trihalomethane precursors. Water Res. 27:1725-1729.

Cooke, G.D., E.B. Welch, A.B. Martin, D.G. Fulmer, J.B. Hyde, and G.D. Schrieve. 1993. Effectiveness of Al, Ca, and Fe salts for control of internal phosphorus loading in shallow and deep lakes. Hydrobiologia 253:323-335.

Welch, E.B. and G.D. Cooke. 1995. Internal phosphorus loading in shallow lakes: Importance and control. Lake and Reservoir Management 11: 273-281.

Mataraza, L.K. and G.D. Cooke. 1997. A test of a morphometric index to predict vertical phosphorus transport in lakes. Lake and Reservoir Management 13:328-337.
Welch, E.B. and G.D. Cooke. 1999. Effectiveness and longevity of phosphorus inactivation with alum. Lake and Reservoir Manage. 15:5-27.

Cooke, G.D. 1999. Ecosystem rehabilitation. Lake and Reservoir Manage. 15:1-4.

Cooke, G.D., P. Lombardo, and C. Brant. 2001. Shallow and deep lakes: Determining successful management options. LakeLine 21: 42-46.

Cooke, G.D. and R.H. Kennedy. 2001. Managing drinking water supplies. Lake and Reservoir Management 17: 157-174.

Lombardo, P. and G.D. Cooke. 2002. Consumption and preference of selected food types by selected gastropod species. Arch. f. Hydrobiol. 155:667-686.

Lombardo, P. and G.D. Cooke. 2003. *Ceratophyllum demersum* – phosphorus interactions in nutrient enriched aquaria. Hydrobiologia 497: 79-90.

Lombardo, P. and G.D. Cooke. 2004. Resource use and partitioning by two co-occurring freshwater gastropod species. *Arch. f. Hydrobiol.* 159: 229-251.

Cooke, G.D. 2007. History of eutrophic lake rehabilitation in North America with arguments for including social sciences in the paradigm. *Lake and Reservoir Manage.* 23: 323-329.

Technical Reports

Cooke, G.D., M.R. McComas, T.N. Bhargava, and R. Heath. 1973. Monitoring and nutrient inactivation studies on two glacial lakes (Ohio) before and after nutrient diversion. Interim Research Report. Center for Urban Regionalism and Environmental Systems. Kent State University. 92 pp.

Cooke, G.D. and M.R. McComas. 1974. Geological, hydrological, and limnological description of the Twin Lakes Watershed, Ohio, U.S.A. North American Project Proceedings, Canada Centre for Inland Waters, Burlington, Ontario. 139 pp.

Kennedy, R.H. and G.D. Cooke. 1976. Aluminum sulfate treatment for eutrophic lake restoration. I. Dose determination, procedure and effectiveness in experimental columns. Department of Biological Sciences and Center for Urban Regionalism and Environmental Systems. Kent State University.

Carlson, R.E. and G.D. Cooke. 1976. A description and comparison of eutrophication in East Branch, LaDue, Rockwell, and Mogadore Reservoirs. Department of Biological Sciences and Center for Urban Regionalism and Environmental Systems, Kent State University.

Cooke, G.D. 1976. The annual water, phosphorus, and sediment budgets of a real estate lake, and measurements of associated water quality problems. Department of Biological Sciences, Kent State University.

Cooke, G.D. 1976. "Did you really swim in those lakes, Dad?" College of Arts and Sciences, Kent State University.

Cooke, G.D. 1976. "Man and Molecules: New Hope for Lakes." American Chemical Society News Service.

Cooke, G.D. and R.H. Kennedy. 1977. Internal loading of phosphorus. Conference on Mechanisms of Lake Restoration. Madison, Wisconsin. 23 p.

Cooke, G.D. and R.H. Kennedy. 1977. The short-term effectiveness of a hypolimnetic aluminum sulfate application. Conference on Mechanisms of Lake Restoration. Madison, Wisconsin. 27 p.

Myers, D.N. and G.D. Cooke. 1978. An investigation into the trophic state of Geauga Lake (Portage County, Ohio) and associated water quality relevant to the eutrophication process. Sea World of Ohio. 60 p.

Cooke, G.D. 1979. Evaluation of aluminum sulfate for phosphorus control in eutrophic lakes. Office of Water Resources Technology Proj. No. A-053-Ohio. 51 p.

Reiser, M.L., R.A. Buzzi, and G.D. Cooke. Undated. Basic laboratory manual for limnology. Kent State University. 38 p.

Cooke, G.D., R.E. Carlson, and R.T. Heath. 1982. A Comparison of trophic state and phosphorus dynamics in Rockwell, La Due and East Branch Reservoirs. Report to City of Akron, Ohio.

Carlson, R.E. and G.D. Cooke. 1985. A management plan for Rockwell Reservoir. Report to City of Akron, Ohio.

Cooke, G.D. and R.E. Carlson. 1985. The eutrophication of Lake Rockwell Reservoir: Causes, consequences, and proposed protective action. Report to Water Advisory Group, Ohio Environmental Protection Agency.

Carlson, R.E. and G.D. Cooke. 1986. A report to the Ohio Environmental Protection Agency on the impact of aluminum sulfate application to the head of Lake Rockwell.

Carlson, R.E., G.D. Cooke, and T. Tatakis. 1987. A water quality management plan for Lakes Le Roy and La Grange, Village of Le Roy, New York.

Cooke, G.D. and R. E. Carlson. 1988. East Branch Reservoir sediment detention basins: Performance, design and recommendations. Report to Public Utilities Bureau, City of Akron, Ohio.

Cooke, G.D., N. Palmstrom, A. Martin, M. Watkins, A. Beals, and R. E. Carlson. 1988. Reservoir management for THM precursor control. Report to American Water Works Association Research Foundation.

Cooke, G.D. 1988. Weed control with water level drawdown. Ohio Shorelines. December, 1988.

Cooke, G.D. 1989. Final Management Plan for City of Akron Reservoirs. Report to Public Utilities Bureau, City of Akron, OH.

Cooke, G.D. 1989. Summary of Selected Lake Management and Restoration Techniques. National Research Council - National Academy of Sciences, preliminary draft. 17 pp.

Carlson, R.E. and G.D. Cooke. 1989. Executive Summary. Report to the City of Akron Public Utilities Bureau. 24 pp.

Carlson, R.E. and G.D. Cooke. 1989. Lake Rockwell Management Plan. Report to the City of Akron Public Utilities Bureau. 86 pp.

Carlson, R.E. and G.D. Cooke. 1989. East Branch Reservoir Management Plan. Report to the City of Akron Public Utilities Bureau. 50 pp.

Carlson, R.E. and G.D. Cooke. 1989. LaDue Reservoir Management Plan. Report to the City of Akron Public Utilities Bureau. 40 pp.

Palmstrom, N.S., R.E. Carlson, A. Edinger, and G.D. Cooke. 1989. Studies on the occurrence, seasonal variation and sources of trihalomethane precursors in Lake Rockwell Reservoir and its watershed. Report to the City of Akron Public Utilities Bureau. 54 pp.

Watkins, M., R.E. Carlson, and G.D. Cooke. 1989. The effect of copper sulfate on the concentrations of trihalomethane precursors. Report to the City of Akron Public Utilities Bureau. 17 pp.

Palmstrom, N.S., R.E. Carlson, and G.D. Cooke. 1989. Studies on the occurrence and seasonal variation of trihalomethane concentrations in the Akron water distribution system. Report to the City of Akron Public Utilities Bureau. 23 pp.

Carlson, R.E., G.D. Cooke, A. Beals, and R. Barbiero. 1989. Interception of summer phosphorus loading as a management technique in Lake Rockwell. Report to the City of Akron Public Utilities Bureau. 19 pp.

Cooke, G.D. and R.E. Carlson. 1989. Alum application to Lake Rockwell sediments. Report to the City of Akron Public Utilities Bureau. 11 pp.

Cooke, G.D., and R.E. Carlson. 1989. Harvesting experiments in LaDue Reservoir. Report to the City of Akron Public Utilities Bureau. 16 pp.

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Cooke, G.D. and R.E. Carlson. 1989. The use of burlap to control macrophyte growth. Report to the City of Akron Public Utilities Bureau. 5 pp.

Cooke, G.D. 1990. Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy. Introduction. Water Science and Technology Board, National Research Council.

10 pp.

Cooke, B.D. 1990. Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy. Summary of Lake Trophic State Management and Restoration Techniques. Water Science and Technology Board, National Research Council. 20 pp.

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Cooke, G.D. 1990. Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy. Medical Lake (WA) Case History. Water Science and Technology Board, National Research Council. 3 pp.

Cooke, G.D. 1990. Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy. Ecoregions: The Case for Attainable Water Quality. Water Science and Technology Board, National Research Council. 15 pp.

Fulmer, D.G. and G.D. Cooke. 1990. Evaluating the potential effectiveness of lake restoration projects for some Ohio DNR Reservoirs. Report to Ohio DNR. 24 pp.

Masse, A.M., G.D. Cooke, R.H. Carlson, J. Glicker, and R.W. Robbins. 1990. Watershed Reservoir Management for improved drinking water quality. North American Lake Management Society. 18 pp.

Palmstrom, N., R.E. Carlson, and G.D. Cooke. 1990. Potential links between the eutrophication of surface water supplies and the formation of carcinogens in drinking water. Northeast Regional Environmental Public Health Center. 14 pp.

Martin, A.B., G.D. Cooke, and R.E. Carlson. 1991. Lake sediments as potential sources of trihalomethane precursors. Biological Sciences, Kent State University. 12 pp.

Cooke, G.D. 1990. Water Level Drawdown. Chapter completed for Cooke et al. (1992). Lake and Reservoir Management (2nd Edition). 37 pp.

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Cooke, G.D. 1990. Basic Limnology. Chapter completed for Cooke et al. (1992). Lake and Reservoir Management (2nd Edition). 33 pp.

Cooke, G.D. 1990. Food Web Management. Chapter completed for Cooke et al. (1992). Lake and Reservoir Management (2nd Edition). 47 pp.

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Cooke, G.D. 1976. The preparation of water and phosphorus budgets. Geological Society of America Penrose Conference, "The Hydrogeologic Regime of Lakes."

Cooke, G.D. 1976. The significance of internal phosphorus loading to phosphorus budgets of lakes. Geological Society of American Penrose Conference "The Hydrogeologic Regime of Lakes."

Reiser, M.L. and G.D. Cooke. 1976. The effectiveness of endothall in controlling macrophyte growth in a eutrophic lake. Ohio Academy of Science, Oxford, Ohio.

Cooke, G.D., M.R. McComas, and D. Waller. 1977. Internal phosphorus loading in two eutrophic lakes. Amer. Soc. Limnol. Oceanogr. Ann. Mtg., East Lansing, Michigan.

Cooke, G.D. and R.H. Kennedy. 1977. The short-term effectiveness of a hypolimnetic aluminum sulfate application. Conference on Mechanisms of Lake Restoration. Madison, Wisconsin.

Cooke, G.D. and R.H. Kennedy. 1977. Internal loading of phosphorus. Conference on Mechanisms of Lake Restoration. Madison, Wisconsin.

Wilson, C.B. and G.D. Cooke. 1977. The use of a P budget for real estate lake planning and management. Ohio Academy of Science Annual Meeting. Capital University, Columbus, Ohio.

Myers, D.N. and G.D. Cooke. 1977. A comparative study of the zooplankton of Twin Lakes, Ohio, 1969-70 vs. 1976. Ohio Academy of Science Annual Meeting. Capital University, Columbus, Ohio.

Cooke, G.D. and R.H. Kennedy. 1978. The effects of a hypolimnetic application of aluminum sulfate to a eutrophic lake. 20th Congress, International Society for Theoretical and Applied Limnology. Copenhagen.

Cooke, G.D. and D.N. Myers. 1978. Changes in the pelagic microcrustacea of the Twin Lakes following a hypolimnetic aluminum sulfate treatment. AIBS Annual Meetings, Athens, Georgia.

Cooke, G.D. and D.N. Myers. 1978. The effect of a hypolimnetic aluminum sulfate treatment on the pelagic microcrustacea of the Twin Lakes. Ohio Academy of Science Annual Meeting, Wright State University, Dayton, Ohio.

Cooke, G.D. 1979. Internal phosphorus release in eutrophic lakes. 1979 North American Lake Management Conference, East Lansing, MI.

Moffett, M.F., G.D. Cooke, and D.N. Myers. 1979. Changes in the microcrustacean community of eutrophic West Twin Lake following lake restoration. Ohio Academy of Science Annual Meetings, Heidelberg College, Tiffin, Ohio.

Cooke, G.D. and M.E. Gorman. 1979. Effectiveness of a polypropylene sheeting in controlling macrophyte regrowth in Country Lake (Portage County, Ohio). Ohio Academy of Science Annual Meeting, Heidelberg College, Tiffin, Ohio.

Cooke, G.D. and R.E. Carlson. 1980. Survey of trophic state in Ohio lakes and reservoirs. Ohio Academy of Science Annual Meeting, Toledo, Ohio.

Cooke, G.D. and R.H. Kennedy. 1980. State of the art summary of phosphorus inactivation as a lake restoration technique. Algae Management and Control Workshop.

USEPA-USACOE. Asilomar, California.

Cooke, G.D. and R.H. Kennedy. 1980. Phosphorus inactivation. A summary of knowledge and research needs. International Symposium on Inland Waters and Lake Restoration, Portland, Maine.

Kennedy, R.H. and G.D. Cooke. 1980. Aluminum sulfate dose, determination and application techniques. International Symposium on Inland Waters and Lake Restoration, Portland, Maine.

Cooke, G.D. 1980. In-lake control of nuisance vegetation: A review of eight procedures. Round Table on Reclaiming and Managing Lakes in Illinois. Urbana, Illinois.

Cooke, G.D. 1981. Restoring and managing lakes. Practical Considerations for Small Lake Management. Symposium No. 5. McHenry County College, Crystal Lake, Illinois.

Cooke, G.D. 1981. Perspectives in lake management and restoration. UNESCO/IIASA Meeting on Control of Eutrophication. Vienna, Austria.

Cooke, G.D. 1982. Lake Management and Restoration. Univ. Wisconsin Symposium on Lake Management, Madison, Wisconsin.

Conyers, D.L. and G.D. Cooke. 1982. A comparison of the costs of harvesting and herbicides and their effectiveness in nutrient removal and control of macrophyte biomass. North American Lake Management Society. Vancouver, B.C. Canada.

Brosnan, T. and G.D. Cooke. 1983. Effects of artificially induced circulation. Ohio Academy of Sciences.

Anderson, P.W., G.D. Cooke, and R.E. Carlson. 1983. The effects of aquatic plant harvesting on the nutrient dynamics of a small embayment of Wendell R. LaDue Reservoir. Ohio Academy of Sciences.

Jones, G.B. and G.D. Cooke. 1983. Burlap screening for the control of macrophyte growth. American Water Works Association Annual Meeting.

Jones, G.B. and G.D. Cooke, and R.E. Carlson. 1984. Ecological management of water supply reservoirs. American Water Works Association Annual Meeting.

Cooke, G.D. 1984. Ohio lakes and ponds: Pollution, management, restoration. Kent State University Stark Campus Artist/Lecture Series. Canton, Ohio.

Cooke, G.D. 1984. Water quality problems and their management in Army Corps reservoirs. Ohio River District, Water Quality Meeting, U.S. Army Corps Engineers.

Huntington, West Virginia.

Cooke, G.D., P.W. Anderson, T. Brosnan, and R.E. Carlson. 1984. Expectation vs. experiences: Artificial circulation and harvesting. North American Lake Management Society Annual Meeting. Knoxville, Tennessee.

Cooke, G.D. and R.H. Kennedy. 1984. Reservoir management techniques. U.S. Army Corps of Engineers, ORD Water Quality Meeting. Cincinnati, Ohio.

Carlson, R.E. and G.D. Cooke. 1985. Water quality management of a drinking water reservoir. North American Lake Management Society Annual Meeting. McAfee, New Jersey.

Cooke, G.D. 1985. Lake management and restoration: Scientific Bases. Kent Research Group. Kent, Ohio.

Cooke, G.D. 1986. Protecting and restoring recreational lakes and potable water supplies. Sigma Xi Spring Lecture, Kent State University. Kent, Ohio.

Cooke, G.D. 1986. Weed harvesting effects on nutrient and organic matter transport in lakes. American Society Civil Engineers. Annual Meeting. Seattle, Washington.

Cooke, G.D. 1986. An input-output analysis demonstrates that littoral zones of reservoir embayments are nutrient and seston sinks, not sources. Department of Civil Engineering, University of Washington. Seattle, Washington.

Cooke, G.D., P.W. Anderson, R.E. Carlson, and A. Martin. 1986. Weed harvesting effects on nutrients and organic matter transport in lakes. Department of Civil Engineering, University of Washington. Seattle, Washington.

Cooke, G.D., P.W. Anderson, R.E. Carlson, and A. Martin. 1986. Weed harvesting effects on nutrients and organic matter transport in lakes. American Society of Civil Engineers, Annual Meeting. Seattle, Washington.

Carlson, R.E., G.D. Cooke, and A. Beals. 1986. Interception of summer phosphorus loading as a reservoir management technique. North American Lake Management Society, Annual Meeting. Lake Geneva, Wisconsin.

Brosnan, T.M. and G.D. Cooke. 1986. Response of Silver Lake trophic state to artificial circulation. North American Lake Management Society, Annual Meeting. Lake Geneva, Wisconsin.

Cooke, G.D. and R.E. Carlson. 1987. Lake and reservoir protection, restoration, and management. Ohio Lake Management Society-North American Lake Management Society Regional Workshop, day-long presentation. Columbus, Ohio.

Barbiero, R., R.E. Carlson, and G.D. Cooke. 1987. The effects of a continuous application of aluminum sulfate on toxic benthic invertebrates. North American Lake Management Society, Annual Meeting. Orlando, Florida.

Palmstrom, N.S., R.E. Carlson, and G.D. Cooke. 1987. Potential links between eutrophication and suspected carcinogens in drinking water. North American Lake Management Society, Annual Meeting. Orlando, Florida.

Cooke, G.D. 1988. Nutrient inactivation overview. Midwest Aquatic Plant Management Society. Columbus, Ohio.

Cooke, G.D. 1988. Grass carp for aquatic plant management. Forum on Virginia's Waters. NALMS Regional Symposium. Richmond, Virginia.

Tatakis, T.A., R.E. Carlson, and G.D. Cooke. 1988. Effects of mechanical weed harvesting in two drinking water reservoirs in western New York State. Annual Meeting, North American Lake Management Society, St. Louis, Missouri.

Cooke, G.D. 1988. The introduction of grass carp to Ohio waters. Water Resources Research Institute, Kent State University, Kent, Ohio.

Cooke, G.D., N. Palmstrom, A. Martin, A. Beals, and R.E. Carlson. 1988. Reservoir management for THM precursor control. American Water Works Association annual meeting, Orlando, Florida.

Cooke, G.D. 1988. Grass carp for aquatic plant control in Ohio. Kent Research Group. Kent, Ohio.

Cooke, G.D. 1988. Algae management techniques in water supply reservoirs. North American Lake Management Society, Annual Meeting. St. Louis, Missouri.

Cooke, G.D. and A.B. Martin. 1989. Long-term evaluation of the effectiveness of phosphorus inactivation. North American Lake Management Society, Annual Meeting. Austin, Texas.

Cooke, G.D. 1989. Ecoregion concept. Possible unifying theory for Water Resources Research Institute. Kent State University. Kent, Ohio.

Cooke, G.D. 1989. Fates of littoral organics in lakes and reservoirs. Iowa Lakeside Laboratory. Milford, Iowa.

Cooke, G.D. 1989. Eutrophication, Is it a human health hazard? Iowa Lakeside Laboratory. Milford, Iowa.

Martin, A., R.E. Carlson, and G.D. Cooke. 1989. Lake sediment as potential sources of THM precursors. Ohio Lake Management Society. Columbus, Ohio.

Cooke, G.D. 1989. Alternatives for aquatic weed management. Ohio Lake Management Society. Columbus, Ohio.

Cooke, G.D. 1989. Careers in aquatic ecology. Tallmadge High School. Tallmadge, Ohio.

Masse, A.N., G.D. Cooke, and J. Glicker. Watershed and reservoir management for better drinking water quality. North American Lake Management Society, Annual Meeting, Springfield, Massachusetts.

Fulmer, D.G. and G.D. Cooke. 1990. Evaluating the potential effectiveness of lake restoration projects for some Ohio DNR lakes. North American Lake Management Society, Annual Meeting, Springfield, Massachusetts.

Cooke, G.D. 1990. Management of reservoirs for potable water quality control. American Water Works Association Water Quality Technology Conference. San Diego, California.

Cooke, G.D. 1990. Recollections of the first NALMS president on our 10th anniversary. North American Lake Management Society Annual Meeting, Springfield, Massachusetts.

Cooke, G.D. 1991. The uses of the ecoregion concept in the U.S.A. Leiden (Netherlands).

Cooke, G.D. 1991. North American perspectives on lake restoration. University of Edmonton, Alberta. Canada.

Cooke, G.D. 1991. The history and current status of lake restoration in the United States. Minnesota Water Resources Research Center. Minneapolis, Minnesota.

Cooke, G.D. 1991. Phosphorus inactivation with aluminum, calcium, and iron salts. 3rd International Workshop on Phosphorus in Sediments. Woudschoten, The Netherlands water supply district.

Cooke, G.D. 1991. Monitoring Your Lake. Ohio CLIP Program. Lake Mohawk, Ohio.

Cooke, G.D., E.B. Welch, D.G. Fulmer, J.B. Hyde, and A.B. Martin. 1992. Effectiveness of phosphorus inactivation in shallow and deep lakes. Ohio Academy of Sciences Annual Meeting. Akron, Ohio.

Hyde, J.B. and G.D. Cooke. 1992. The effectiveness of root-crown removal harvesting

in controlling macrophyte biomass. Ohio Academy of Sciences Annual Meeting. Akron, Ohio.

Carlson, R.E. and G.D. Cooke, 1992. The effect of Lake Rockwell on the water quality of the Upper Cuyahoga River. Ohio Academy of Sciences Annual Meeting. Akron, Ohio.

Cooke, G.D. 1992. The importance of long-term monitoring: A case study. Ohio Department of Natural Resources - Ohio Lake Management Society Conference. Columbus, Ohio.

Cooke, G.D. 1992. Handling the hordes, Kent State University Audio-Visual Department workshop on teaching. Spring Semester. Kent, Ohio.

Cooke, G.D. 1992. Keynote Address: Water Wars. North American Lake Management Society Annual Meeting, Cincinnati, Ohio.

Cooke, G.D., E.B. Welch, G.D. Schrieve, A.B. Martin and L.K. Mataraza. 1992. Effectiveness and longevity of alum treatments. North American Lake Management Society Annual Meeting. Cincinnati, Ohio.

Cooke, G.D. 1992. Eutrophication can be a health hazard. Summit County Engineers. Hudson, Ohio.

Cooke, G.D. 1992. Handling the hordes. Kent State University Audio-Visual Department workshop on teaching. Fall semester. Kent, Ohio.

Cooke, G.D. 1993. Water Wars. Kent Research Group. Kent, Ohio.

Cooke, G.D. and A.B. Martin, 1993. Effectiveness and longevity of alum treatments in lake management. Poster Session Presentation, Water Resources Research Institute, Kent State University. Kent, Ohio.

Cooke, G.D. and A.B. Martin. 1993. Effectiveness and water quality impacts of aquatic weed harvesting. Poster Presentation, Water Resources Research Institute, Kent State University. Kent, Ohio.

Cooke, G.D. 1993. Production of lake management texts for various user groups. Poster Presentation Water Resources Research Institute, Kent State University. Kent, Ohio.
Mataraza, L.K. and G.D. Cooke. 1993. Vertical phosphorus transport in lakes of different morphometry. Ohio Academy of Science. Youngstown State University, Youngstown, Ohio. May 1993.

Cooke, G.D. 1993. Section 314 of the Clean Water Act - Continued Support of the

Clean Lakes Program. Testimony before the U.S. House of Representatives, Appropriation Sub-Committee on HUD and Independent Agencies. Washington, D.C.

Cooke, G.D. and E.B. Welch. 1993. Alum effectiveness and longevity: Final Chapter. North American Lake Management Society Annual Meeting. Seattle Washington.

Cooke, G.D. 1994. Water Wars. Arts and Sciences Alumni Council. Kent State University. Lombardo, P.C. and G.D. Cooke. 1994. Substrate Preference of Gastropods in the Lake Littoral During Seasonal Succession. Ohio Academy of Sciences Annual Meeting. Toledo, Ohio.

Cooke, G.D. 1994. Pond Management. Underhill International Corporation. Cleveland, Ohio.

Cooke, G.D. 1994. Renewal of the Clean Water Act and Clear Lakes Program. Testimony before the U.S. House of Representatives, Appropriations Sub-Committee on HUD and Independent Agencies. Washington, D.C.

Cooke, G.D. 1994. Exotic Aquatic Plant Species and Management with Grass Carp. Ohio Lake Management Society Annual Meeting, Kent, Ohio.

Mataraza, L.K. and G.D. Cooke. 1994. Evaluating the potential for vertical phosphorus transport in demictic and polymictic lakes. North American Lake Management Society Annual Meeting, Orlando, FL.

Cooke, G.D. 1994. Pond characteristics and management. Ohio Federation of Soil and Water Conservation Districts. Oberlin College, Oberlin, Ohio.

Welch, E.B. and G.D. Cooke. 1994. Management of shallow lake quality: Alternative approaches. North American Lake Management Society Annual Meeting. Orlando, FL.

Cooke, G.D. 1994. Use of ecoregion characteristics to set Ohio standards for land disposal of livestock wastes. Ohio EPA Agricultural Science Review Board. Columbus, OH.

Cooke, G.D. 1995. Freshwater: Problems, Solutions, Careers. Ohio Lake Management Society Secondary Education Workshop. Kent State University. Kent, OH.

Cooke, G.D. and W.R. Jordan III. 1995. What is ecological restoration? National Symposium on Using Restoration to Meet Clean Water Act Goas. Chicago, IL. USEPA.

Cooke, G.D. 1995. Freshwater: Will there be enough? Keynote address. Ohio Lake Management Society Annual Meeting. Columbus, OH.

Mataraza, L. and G.D. Cooke. 1995. Vertical phosphorus transport in lakes with different morphometry. WRII Poster Presentation.

Lombardo, P. and G.D. Cooke. 1995. Macrophyte choice by gastropods in the lake littoral. WRII Poster Presentation.

Cooke, G.D. 1995. Status and future of freshwater in the USA. Department of Civil Engineering. Youngstown State University. Youngstown, OH.

Lombardo, P. and G.D. Cooke. 1995. Changes in macrophyte choice by gastropods in the lake littoral during seasonal succession. North American Lake Management Society Annual Meeting. Toronto, Canada.

Martin, A.B. and G.D. Cooke. 1995. Diurnal fluctuations in THM precursors: Implications for mechanisms of precursor production and potential management strategies to reduce them. North American Lake Management Society. Annual Meeting. Toronto, Canada.

Cooke, G.D. 1995. Non-copper alternatives for algal control in water supplies. American Waterworks Association Research Foundation. Experts Workshop. Boulder, Colorado.

Cooke, G.D., D.L. Hey and W.R. Jordan III. 1995. Aquatic ecosystem rehabilitation: A realistic and necessary goal. North American Lake Management Society. Annual Meeting. Toronto, Canada.

Cooke, G.D. and E.B. Welch. 1996. Phosphorus interception and inactivation workshop (8 hour program). North American Lake Management Society Annual Meeting.

Cooke, G.D. 1996. Water Wars. Munroe Falls, Ohio Lion's Club.

Fleischman, D.J. and G.D. Cooke. 1996. Long term changes of the microcrustacean community structure after an alum treatment. North American Lake Management Society Annual Meeting. Minneapolis, Minnesota.

Cooke, G.D. 1997. Nutrient interception. Small Reservoir Management Conference. NYSERDA. Albany, New York.

Cooke, G.D. and E.B. Welch. 1996, 1997, 1998. Phosphorus inactivation and interception workshop. 8 hour presentation. North American Lake Management Society Annual Conference.

Cooke, G.D. 1997. Lake rehabilitation: Why? How? Kent Research Group.

Cooke, G.D. 1997. How alum works. Delavan Lake Internal Phosphorus Loading Focus Team Workshop. Wisconsin DNR. Madison, WI.

Miller, G.R., G.D. Cooke et al. 1997. Non-copper algae control strategies. Water Quality Technology Conference. American Water Works Association. Denver, CO.

Cooke, G.D. 1997. Shallow vs. deep lakes. Department of Biological Sciences. Kent State University. Kent, OH.

Cooke, G.D. 1998. Kent State's history on the Cuyahoga River. Workshop on the Cuyahoga River Watershed Project. Water Resources Research Institute. Kent State University. Kent, OH.

Cooke, G.D. 1998. How lakes work: Shallow vs. deep. New ideas for shallow lake management. Ohio Lake Management Society Annual Conference. Atwood Lake, OH.

Cooke, G.D. et al. 1999. Rehabilitation plan for an urban impoundment. Ohio Lake Management Society Annual Conference. Oxford, OH.

Cooke, G. D., and E. B. Welch. 1999. Phosphorus Inactivation and Interception. Workshop, North American Lake Management Society Annual Conference, Reno, NV.

Cooke, G.D. and E.B. Welch. 2000. Phosphorus Inactivation and Interception. Workshop. North American Lake Management Society. Miami, FL.

Lombardo, P. and G.D.Cooke. 2000. Effects of freshwater grazing gastropods on macrophytes, epiphyton, and phytoplankton under meso- to eutrophic conditions. American Society of Limnology and Oceanography. Copenhagen, DK.

Cooke, G.D. and E.B. Welch. 2001. Phosphorus Inactivation and Interception. Workshop. North American Lake Management Society. Madison, WI.

Welch, E.B. and G.D. Cooke. 2001. Shallow vs. Deep Lakes. Role of Internal Loading. North American Lake Management Society. Madison, WI

Cooke, G.D. and E.B. Welch. 2001. Shallow vs. Deep Lakes. Control of Internal Loading. North American Lake Management Society. Madison, WI.

Cooke, G.D. and E.B. Welch. 2002. Phosphorus Inactivation and Interception Workshop. North American Lake Management Society. Anchorage, Alaska.

VI. Grants Obtained

1968-1969 Ohio Biological Survey (\$2,400). PI

1969-1970	Ohio Biological Survey (\$3,500). PI Three Rivers Watershed District (\$500). PI
1971-1972	National Science Foundation (SOS program) (\$25,444). PI U.S. Environmental Protection Agency (\$96,481). PI
1972-1973	U.S. Environmental Protection Agency (\$130,710). PI
1973-1974	U.S. Environmental Protection Agency (\$84,011). PI North American Project (\$500). PI
1974-1975	U.S. Environmental Protection Agency (\$105,689). PI North American Project (\$1,200). PI
1975-1976	North American Project (\$500). PI City of Akron (\$63,512). PI
1975-1977	U.S. Environmental Protection Agency (\$58,625). PI
1978	Ohio Water Resources Center (\$9,033). PI Sea World of Ohio (\$3,000). PI
1978-1979	U.S. Environmental Protection Agency (\$22,850). PI
1979	Sea World of Ohio (\$3,500). PI
1981	City of Akron (\$54,268). CO-PI with R. Carlson
1982	City of Akron (\$28,000). CO-PI with R. Carlson
1983	City of Akron (\$138,000). CO-PI with R. Carlson
1984-1987	City of Akron (\$528,000). CO-PI with R. Carlson
1987	City of Akron (80,416). CO-PI with R. Carlson
1988	City of Akron (\$20,000). CO-PI with R. Carlson
1987-1989	American Water Works Association Research Foundation (\$104,180). CO-PI with R. Carlson
1989-1990	Ohio Department of Natural Resources (\$2,000). PI

1990	Restoration of Ohio Lakes. Board of Regents Research Challenge. (\$100,000). CO-PI with R. Heath et al.	
1991-1992	Ohio Wetlands Research (WRRRI Project) Board of Regents Research Challenge (\$120,700). CO-PI with R. Heath et al.	
1990-92	U.S. Environmental Protection Agency (\$250,000). CO-PI with E.B. Welch (U. of Washington)	
1995-96	U.S. Environmental Protection Agency/New York DSP (\$46,000). CO-PI with A. Martin.	
1996	City of Aurora, Ohio. (\$17,361). PI	
1997-1998	City of Aurora, Ohio. (\$109,000). PI	
	Total Grants	\$2,209,308

VI. Awards, Recognitions and Honors

Portage County Environmental Conservation Agency. Lifetime Environmental Educator and Researcher Award. June, 2002.

Portage County Board of Commissioners. 2002 Lifetime Achievement Award. June, 2002

Alumni Distinguished Teaching Award. 2000.

Distinguished Professor. Kent Interhall Council. 1996

Distinguished Professor. Kent Interhall Council. 1995

Ohio Lake Management Society Distinguished Service Award, May, 1990

North American Lake Management Society Technical Excellence Award November, 1990

VII. Theses and/or Dissertations Directed and/or Co-directed

Theses Directed

- 1971 Long, E.B.
Heinz, M.H.E.F.
- 1973 Lardis, A.E.
- 1974 Rogers, W.G.
Wilbur, D.L.

1976 Reiser, M.L.E.
 1977 Long, E.T.
 Wilson, C.B.
 1978 Myers, D.N.
 1979 Moffett, M.F.
 Gorman, M.E.
 1983 James, W.F.
 Anderson, P.A.
 Brosnan, T.
 Conyers, D.L.
 1992 Hyde, J.B.
 1993 Donald G. Fulmer
 1995 Laura Mataraza
 Paola Lombardo
 1998 Dana Fleischman
 1999 Christina Brant

Dissertations Directed

1971 Page, T.L.
 1975 Long, E.B.
 1978 Kennedy, R.H.
 2001 Paola Lombardo

VIII. University, Professional, Public Service

Departmental

Cunningham Hall Dedication Symposium (Chairman)	1968
Cunningham Hall Building Dedication Committee (appointed)	1968
Executive Committee (elected)	1968-69 1969-70
Joint Appointments (appointed)	1969-70
Ecology Search (Chairman of 2 of 3 searches)	1968-69 1969-70
Graduate Studies (elected)	1970-71 1978-79
Undergraduate Curriculum Committee (elected)	1974-75

Graduate Faculty Review Committee (appointed)	1974-75 1975-76
Faculty Advisory Committee (elected)	1979-80
Looking Forward to the Future Committee	1992-93
Aquatic Ecology Search Committee	1993
Undergraduate Curriculum Committee (elected)	1984-85 & 1992-93
Ad Hoc 10 Year Planning Committee	1991-1992
M.A. Degree in Environmental Biology (Chair)	1993-1996
B.S. Degree in Conservation (Chair)	1994-1995
High School Environmental Biology Conference Kent State University (Chair)	1994
Ohio High School Workshop. Freshwater: Problems Solutions, Careers. Kent State University and Ohio Lake Management Society (Chair)	1995
Human Cells and Systems LER Revision Committee (Chair)	1994-1995
Environmental Management and Technology Program. Salem Campus. Advisory Committee	1995-1997
Reviewer, Master of Science in Environmental Science. Cleveland State University	1996
Environmental Biologist Search Committee (Chair)	1996-1997
Aquatic Ecology Search Committee	1998-1999
College/School	
Quadrennial Review, Department of Sociology and Anthropology (Chairman)	1968
Arts and Sciences College Curriculum Committee (elected)	1973-74 1974-75 1975-76

Committee on Individualized Majors	1974-75
	1975-76

University

University Commission to Implement a Commitment to Non-Violence. The "Kegley Commission" (appointed by President White, summer and chaired committees on ROTC and Campus Security)	1970
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Promotions Review Board	1974-78 & 1987-89
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Educational Policies Council	1975-1976
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Sigma Xi Membership Committee (Chairman)	1979-80
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Search Committee, Vice-President for Academic and Student Affairs	1983
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Water Resources Research Institute Executive Committee (elected)	1993-1994 1995-1996 1995-1996 1996-1997
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Arts and Sciences Lecture Series, Lecturer for Winter, 1976

Advisory Committee, Environmental Management Technology Program (Kent Salem Campus)	1995-1996
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Kent Dam Advisory Committee	2000-2003
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City of Kent Comprehensive/Sustainability Plan Design Team And Steering Committee (Kent State representative)	2002-2003
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Professional

Nominating Committee, North American Lake Management Society (NALMS)	1990-1996
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Peer Review of Lake Okeechobee Ecosystem Study (Chair) West Palm Beach, FL.	1991
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KSU Representative: National Association of State Universities and Land Grant Colleges, Committee on Food, Environment and Resources	1992-1996
NALMS Ad Hoc Committee on EMAP	1993
Special Symposium on Lake Restoration, American Society of Limnology and Oceanography (Chair) Edmonton, Alberta, Canada	1992-1993
Planning Committee. Use of Ecological Restoration to Meet Clean Water Act Goals. USEPA. Washington, D.C.	1994-1995
Science Advisory Board, North American Lake Management Society	1994-1995
Ohio EPA Agricultural Scientific Review Committee. Columbus, Ohio	1994
National Committee to Limit Phosphorus in Agricultural Runoff. U.S. Dept. of Agriculture	1995-1996
Review Panel on Phosphorus Control in the Lake Okeechobee Basin. West Palm Beach, FL	1995
Balancing Algae Control with Water Treatment Objectives: Committee. American Water Works Association Research Foundation. Boulder, CO	1995
Ohio Lake Management Society Annual Conference (Chair). Columbus, OH	1996
Ohio Lake Management Society Annual Conference (Chair). Delaware, OH	1997
Lake Okeechobee Research Plan Peer Review. West Palm Beach, FL	1998